

Title (en)
BURRLESS FLEXIBLE TRACK DRILLING SYSTEM AND METHOD HAVING COUNTERWEIGHT TOOL BALANCING SYSTEM

Title (de)
SYSTEM ZUM GRATLOSEN BOHREN MIT FLEXIBLEN SCHIENEN UND VERFAHREN MIT EINEM GEGENGEWICHTSWERKZEUGAUSGLEICHSSYSTEM

Title (fr)
PROCÉDÉ ET SYSTÈME DE PERFORATION SANS BAVURE À RAILS FLEXIBLES COMPRENANT UN SYSTÈME D'ÉQUILIBRAGE D'OUTIL À CONTRE-POIDS

Publication
EP 2125286 A1 20091202 (EN)

Application
EP 07861789 A 20071106

Priority
• US 2007023454 W 20071106
• US 62722007 A 20070125

Abstract (en)
[origin: WO2008091314A1] A burrless, flexible track drilling system employing a counterweight tool balancing subsystem. The counterweight tool balancing subsystem provides essentially a "weightless" feel to a machining subassembly of the system that carries a drill and an electromagnet. This enables an operator to move the machining subassembly vertically with only a very minimal degree of effort being required. The machining subassembly also includes a plurality of lifting subassemblies that aid the user in lifting and lowering the electromagnet away from and toward a pair of panels on which a drilling operation is being performed. This also significantly reduces operator fatigue and contributes to a highly ergonomic system.

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Citation (search report)
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WO 2008091314 A1 20080731; CA 2673724 A1 20080731; CA 2673724 C 20140513; CN 101578157 A 20091111; CN 101578157 B 20120523; EP 2125286 A1 20091202; EP 2125286 B1 20190710; JP 2010516486 A 20100520; JP 5313927 B2 20131009; US 2008181733 A1 20080731; US 7794183 B2 20100914

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